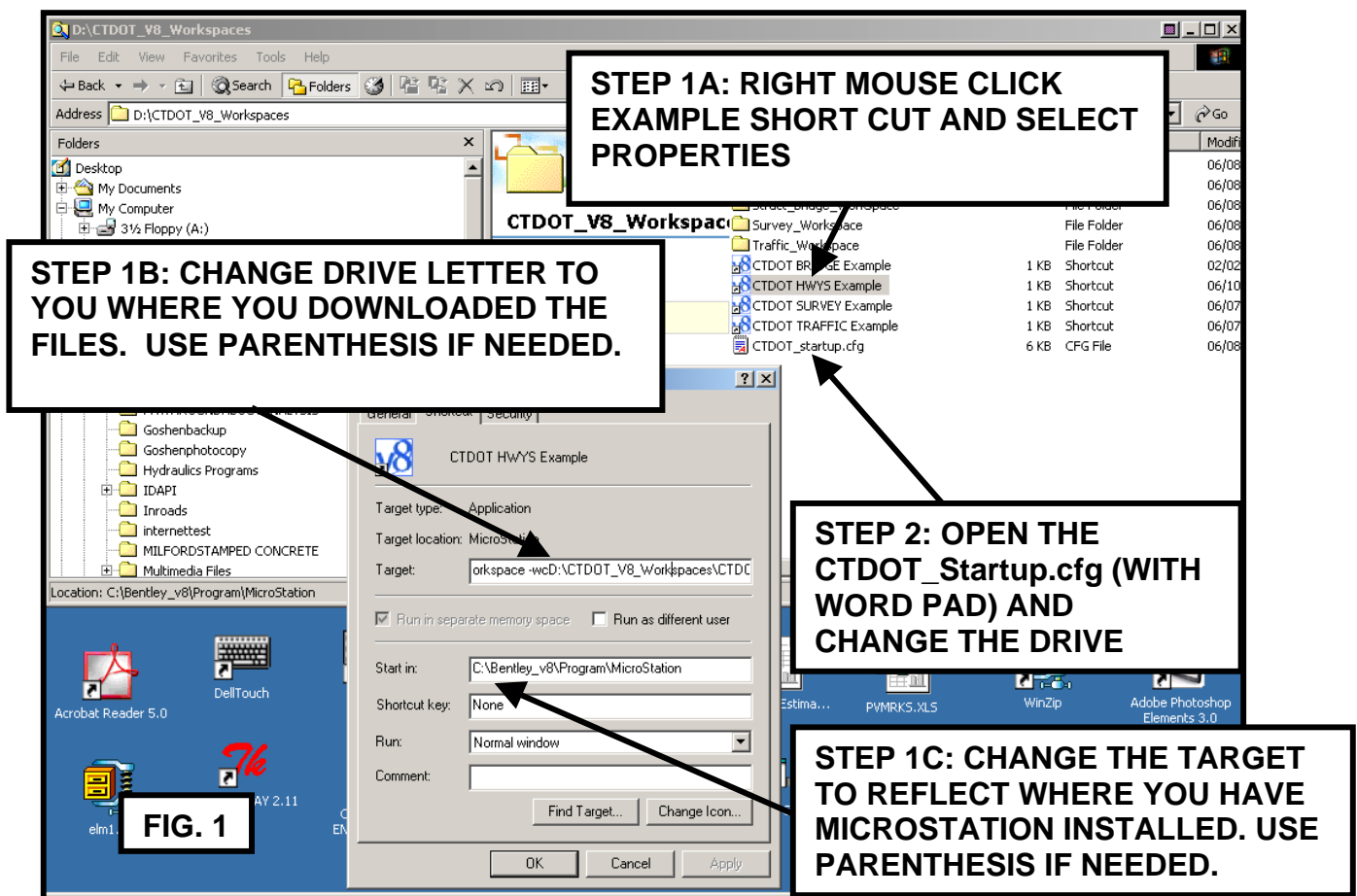


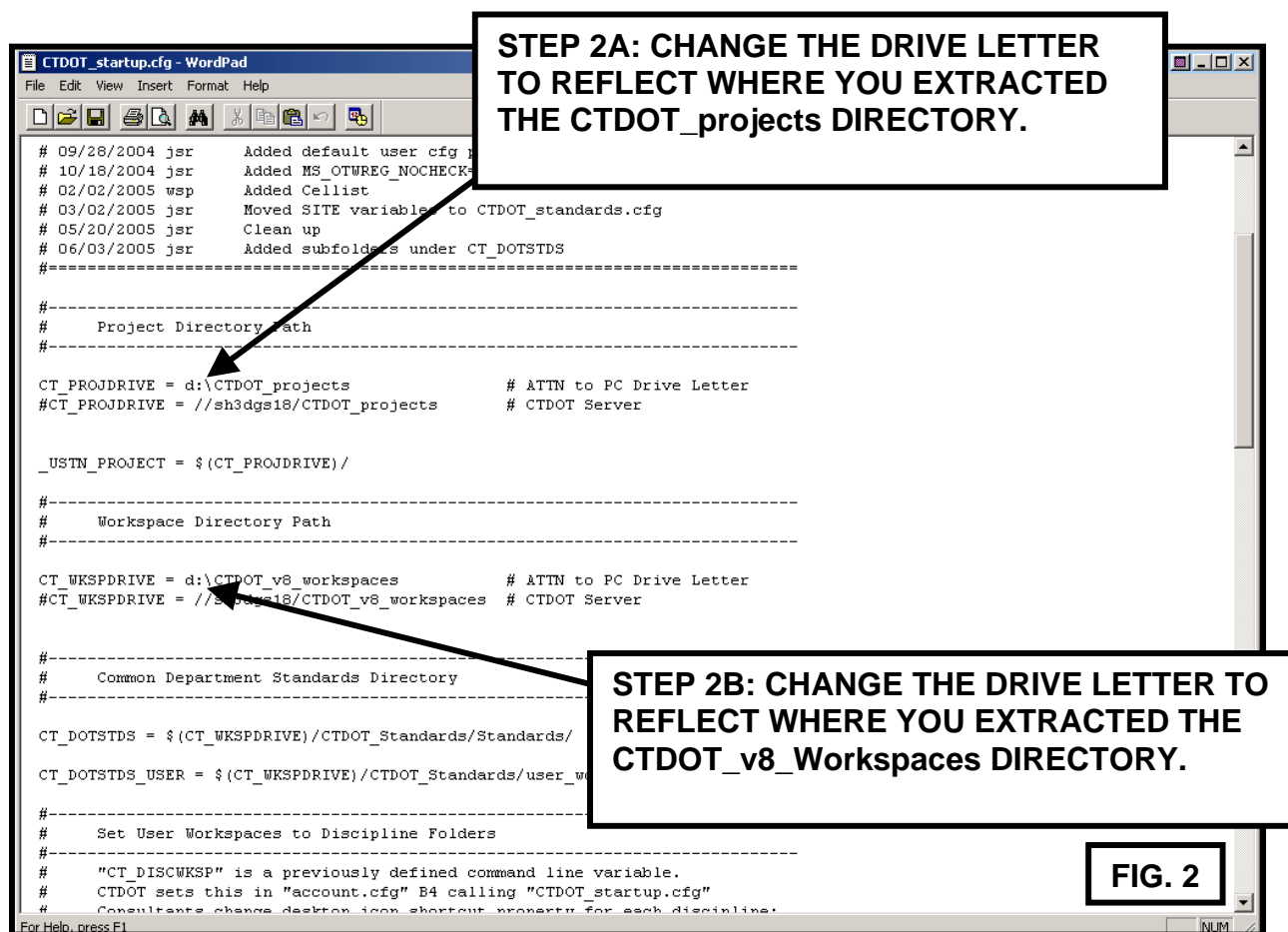
"Step by Step" Instructions How to Configure your Design Environment for Consultant Engineering Activities and for Home Use.

- STEP 1 – Setup:** Download and extract “ConnDOT_Project and Workspace Content (zip)” located on the ConnDOT - 2005 Design Environment Website. The preferred drive letter for downloading is “C: drive” in order to match where your MicroStation executable (ustation.exe) is located. Proceed to “Step 3” if you plan to use the “C: drive”; however, if you decide to use an alternative drive letter, you need to edit the target to where MicroStation is installed and/or where you want to maintain the project and workspace file structure (See FIG 1). Engineering Applications uses the Bentley_V8 directory in order to track the latest versions of the CAD program.

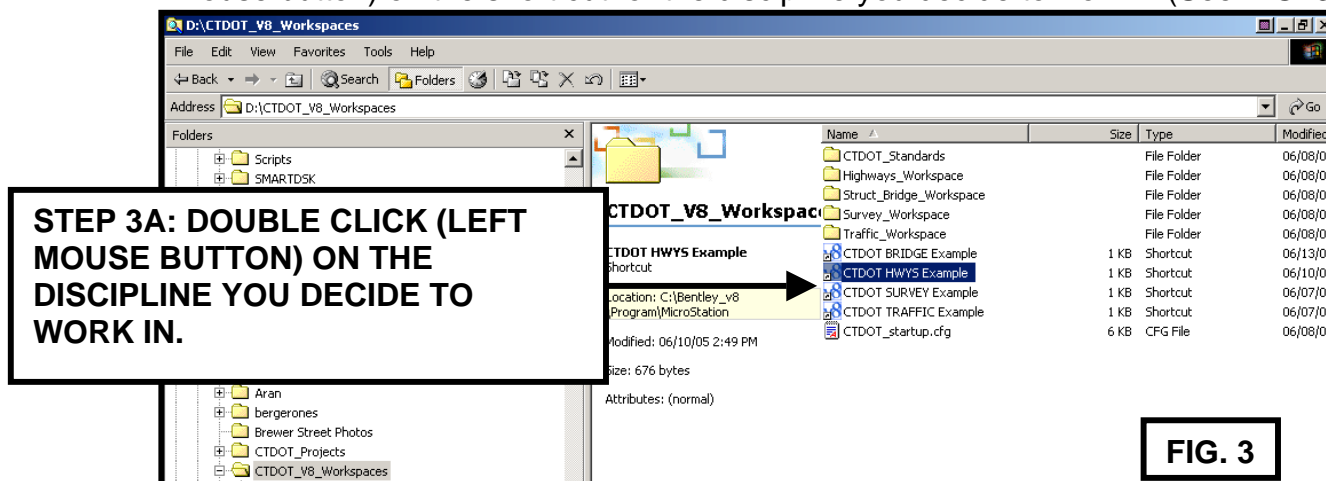
In the target screen as shown in Step 1B in FIG. 1, the discipline workspace you desire to work in can be changed by editing the Target Path “CT_DISCWKSP=” to be one of the available workspace folder names (Highways_Workspace, Traffic_Workspace, Struct_Bridge_Workspace or Surveys_Workspace).



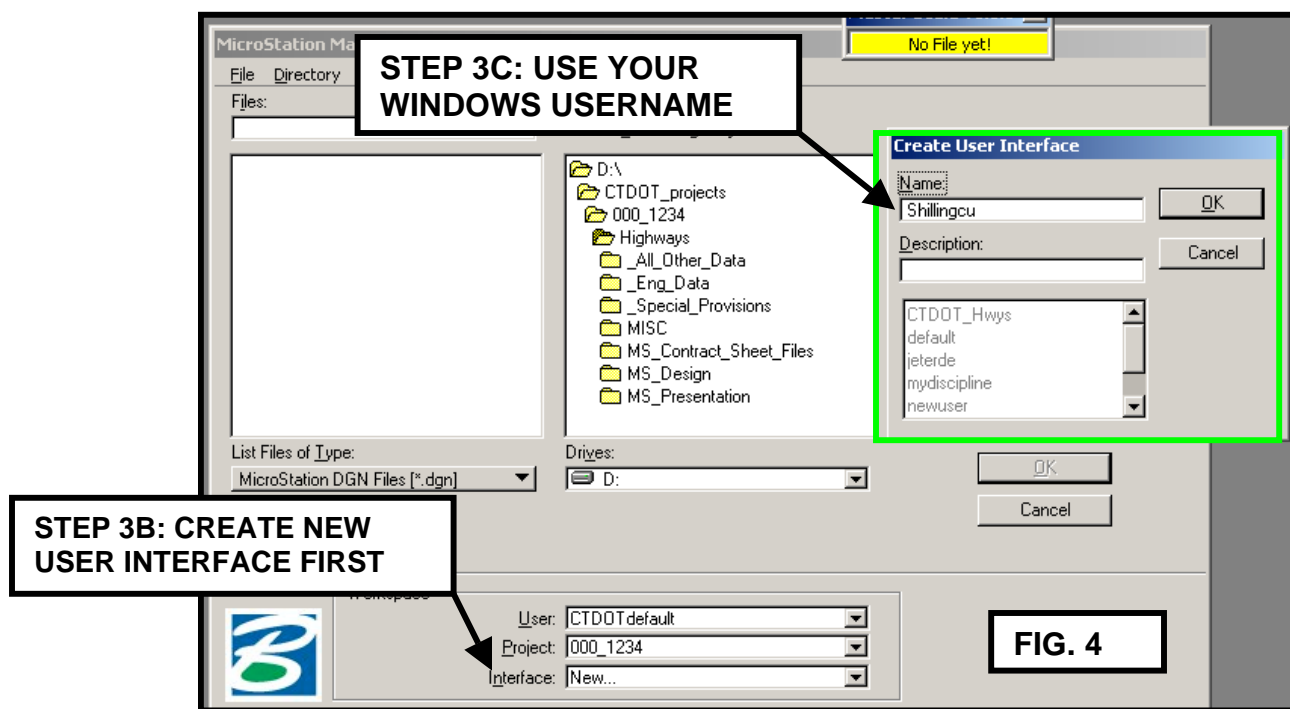
- **STEP 2 – Startup cfg:** Within the CTDOT_V8_Workspaces directory, open up CTDOT_startup.cfg using a text editor and change the directory location to match where you extracted the Project and Workspace folders (See FIG. 2). Save your changes and exit out of WordPad.



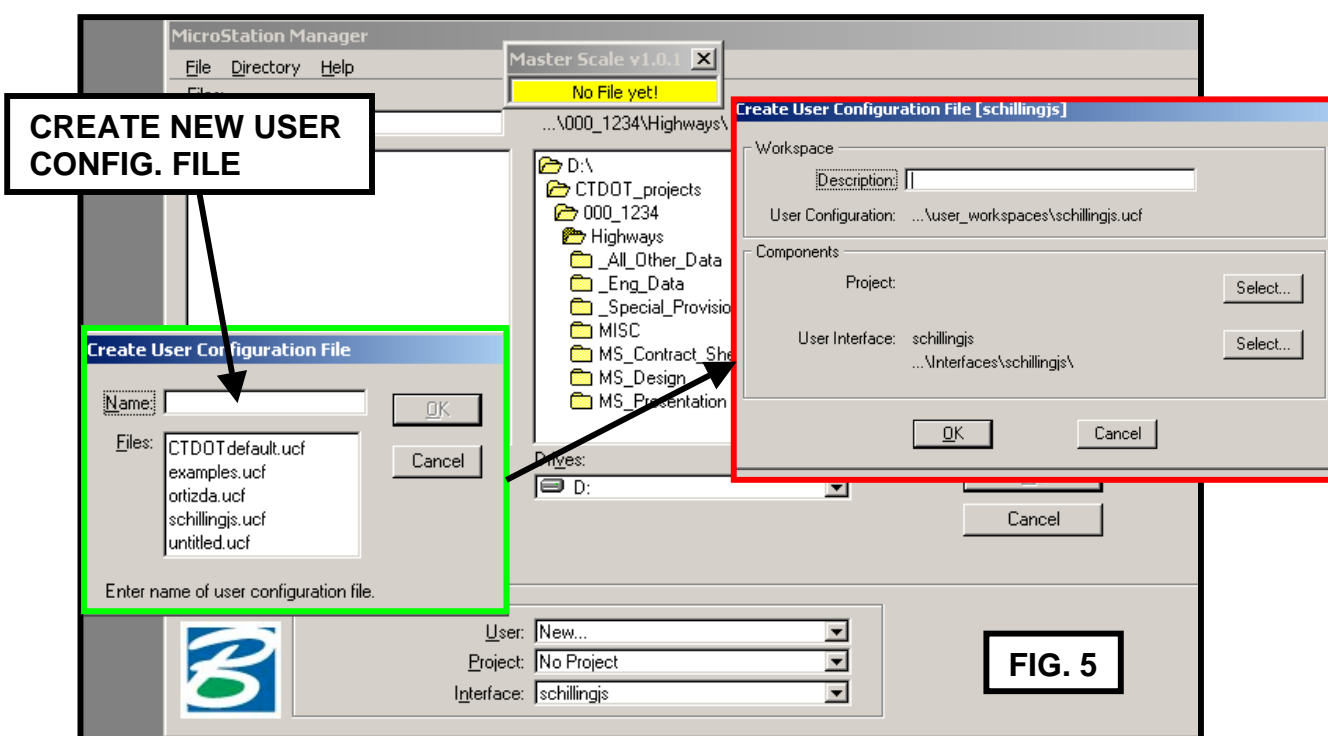
- **STEP 3 – New user:** Under the CTDOT_v8_Workspaces Directory double click (left mouse button) on the short cut for the discipline you decide to work in (See FIG. 3).



Once the MicroStation dialog box opens up, create a New User Interface first followed by a New User Configuration File. Use your Windows log-on when creating user and interface names (See FIG. 4). Descriptions are useful but not necessary. TIP: Windows "USERNAME=" can be found by Start>Run>"cmd"<Enter> and then typing "set"<Enter> on the command line.

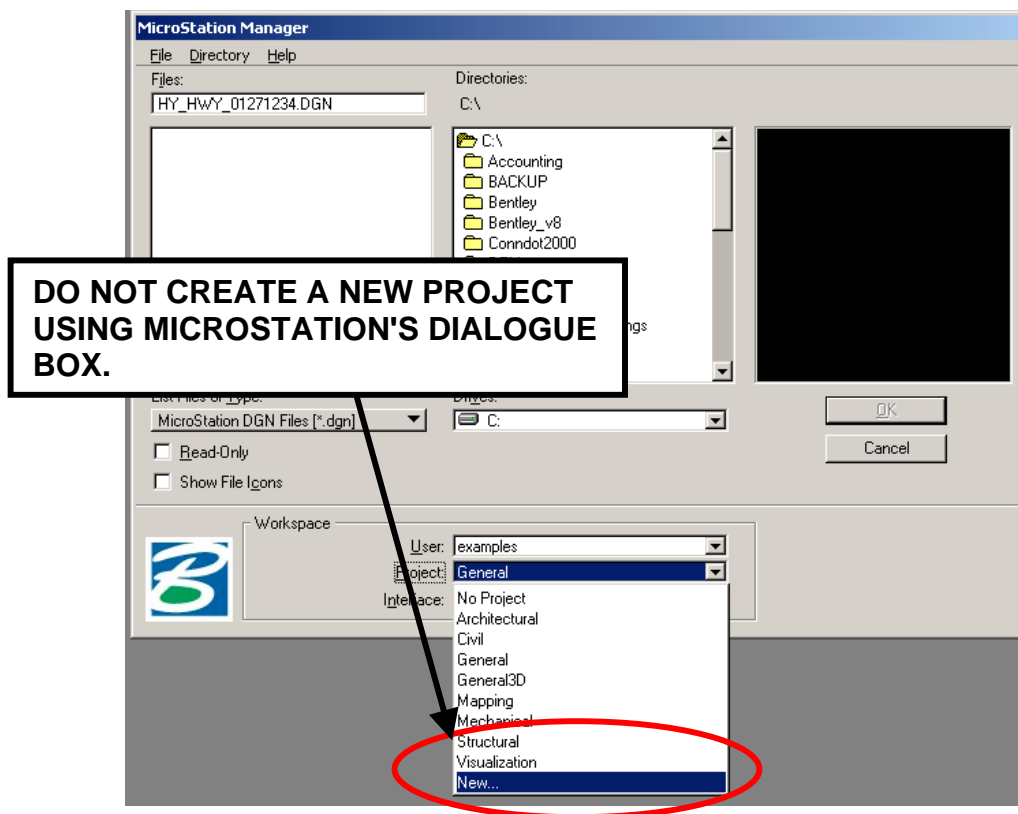


Once you create your New User Interface, you are ready to create your new User Configuration File. Type in the same username you used when you created the New User Interface and shown in FIG. 4. Once the red dialog box is initiated in MicroStation as shown in FIG. 5, click <OK> and completely exit out of MicroStation.

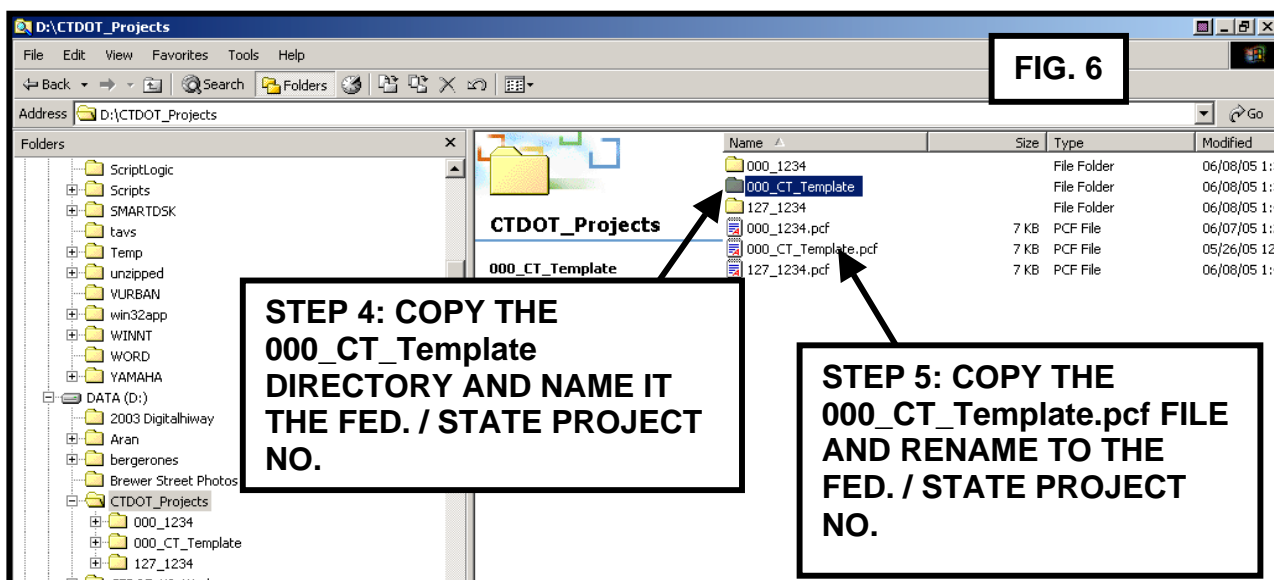


Note: This newly created User Workspace will only be available when that particular Discipline shortcut is chosen. Other Discipline Workspaces will also require new User Workspaces to be set up.

Caution: Do not create a new project using MicroStation's dialogue box. See FIG 5A. A project created here will not function properly.

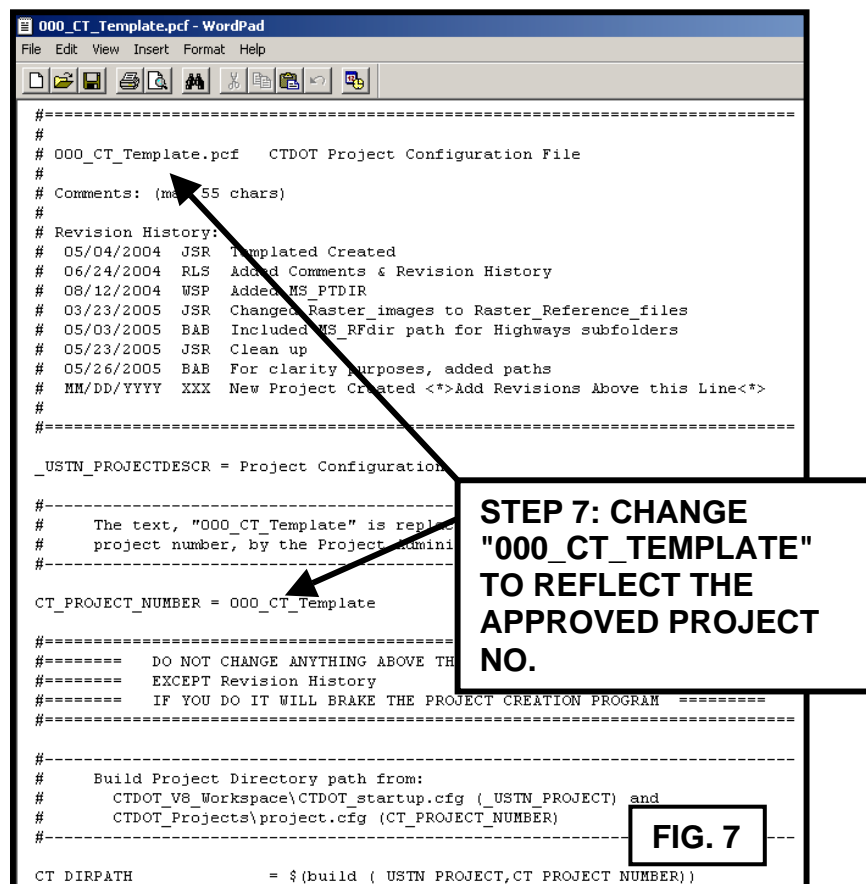


- **STEP 4 – New project folder:** Open up Microsoft Explorer or the "My Computer" short-cut on your desktop and browse to the CTDOT_Projects Directory that you extracted/download onto your computer. Create a new Project Directory (See FIG. 6) by copying the 000_CT_Template Directory and renaming it to the appropriate project number. Refer to the "ConnDOT_Projects Directory Introduction" (.pdf) on the 2005 Design Environment web site for Directory Naming Conventions.

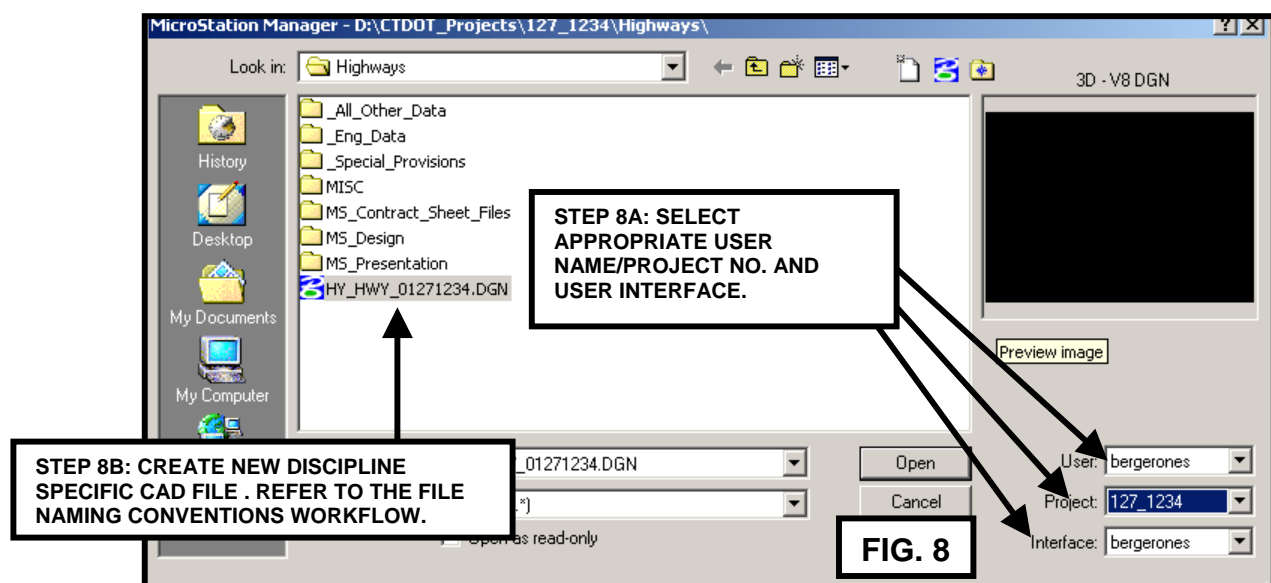


- **STEP 5 – New project pcf:** As shown in FIG. 6 above, copy and paste the 000_CT_Template.pcf and rename it identical to what you named the project directory in Step 4.
- **STEP 6 – Project Variables:** Edit the .pcf file you just created (in Step 5) using a text editor to reflect the Project No. Please refer to FIG. 7 below. Save changes and close the text file.

Note: Steps 4-6 also illustrate how to go about changing the name of a project directory name. Simply rename the project directory in Microsoft Explorer, rename the .pcf and modify the Project Number within the .pcf as shown in FIG. 7.



- **STEP 7 - Begin MicroStation:** See FIG. 8 below, you are now ready to begin working within the CTDOT Design Environment. Open up the MicroStation Shortcut for the discipline you configured in the previous steps located in the CTDOT_v8_workspace Directory or on your Desktop. Select the appropriate User, Interface (these should now default to your Windows USERNAME.) and Project No.



- **STEP 8 – Creating a new CAD File:** Create a new CAD file using the file naming conventions and work flow instructions located on the Design Environment Website. Engineering Applications has set-up standardized seed files to be used in MicroStation V8 when creating a new CAD file. Refer to the 2005 Design Environment Web Page and open up the instructions on *Creating a New V8 File*.
- **STEP 9 – Creating Cut Sheets:** Refer to the 2005 Design Environment Web Page and open up the instructions on *Creating Cut Sheets*. This file will provide information on sheet models, referencing plan borders, filling in border title block text and plotting.

The above steps have outlined the procedure needed to configure your MicroStation CAD Environment to ConnDOT's Design Environment. Comments are welcome, for the future development of the Design Environment.